Figure 1. (SEQ ID NO: 1)

COLOR TO THE STREET ACTUAL TO THE STREET COLOR	60
CCCGGTCGGAGGTTTCAAGGAATGACTAGATGTGGCACTTAGTGCCATGGTCTAGTTGAC	120
CCCGGTCGGAGGTTCAAGGAATGACTCGATGATCTCAGAGTTTTTTTCCAGCCTTAAT AAGGTGATGGTCAAAAGTTGGACTCGATGATCTCAGAGTTTTTTTCCAGCCTTAAT	180
AAGGTGATGGTTGGTCAAAAGTTGGTGTTGTTTGAGCGAAGTTTGTTT	240
AATTCTATGAATTCTGTAATTTTATTCTTTCCTTGAAACTGACTTTCATTTGCAACATG TTAGTTTGGTTTCCCTGTCACTGTTTTCTTTCCTTGAAACTGACTTAGAAGTAGTAGAAAA	300
TTAGTTTGGTTTCCCTGTCACTGTTACAAGTAGTGCCAATGGCTGCTTAGAAGTAGTGAGAAA AGAATTGCTGTATTTGTCAGGTTACAAGTAGTGCCAAACTGTAGCTTAGGG	360
AGAATTGCTGTATTTGTCAGGTTACCAAACAGTGGTACTGCCAAACTGTAGCTTTGGG CATTTAGGGAAATACTGGAGTGAAGCAAACACAGTGGTACTGCCCAAACTGTAGCTTTGGG	420
CATTTAGGGAAATACTGGAGTGTATATAAATTTGTTTAATGATATCCTGCCCCTGCCTTCC ATTTGAGGAGCCACAGAGTTGTATATAAATTTGTTTAATGATATCCTTGCCTTCTTCA	480
ATTTGAGGAGCCACAGGTTGTTTTTTTTTTTTTTTTTTT	540
ATTAATTGCTTGTTTTATGAAACCACTTTAGAAGCACATGGCAGAACTAGGAGATCTGTGG TATCCTGTGGTAATGAGTTAATGCATTTAGAAGCACATGGCAGAACTAGGAAACAGAAAT	600
TATCCTGTGGTAATGAGTTAATGCATTTTTTAGATAAACTATGAGAGTGGAAACAGAAAT ATGACAGTGGTACAGGAGCTCTGAATTTTTTAGATAAACTATGAGAGTGGAAACAGAAAT	660
ATGACAGTGGTACAGGAGCTCTGLLTTTCTCAAGACTACATTA CTGAGGCTAGTTTCTTGAGCTGACTGTAAATTTTTGTGAGAATATTTTCAAGACTACATTA	720
CTGAGGCTAGTTTCTTGAGCTGACTOTTCAAGTTGTCCATTCCTTGAAACCTCCCGACC GTTGTGTGTTTGAGGAAAAATAAAAT	723
GGG	

Figure 2.

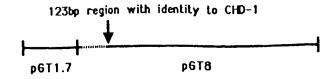


Figure 3.

GT CHD-W

```
ATTCTTCCAG ATGATCCTGA TAAAAAACCA CAAGCAAAAC AGTTACAGAC (SEQ ID NO: 2)
     CHD-1
    CHD-1A ATTTTACCTG ATGATCCAGA CAAGAAACCC CAGGGAAAGC AGGTTACAGAC (SEQ ID NO: 3)

CHD-W ATTTTACCTG ATGATCCAGA TAAGAAACCC CAGGGAAAGC AGGTTACAGAC (SEQ ID NO: 4)

CHD-W ATTTTACCTG ATGACCCAGA TAAGAAACCA CAGGGAAAGC AGGTTACAGAC (SEQ ID NO: 5)
GT CBD-W
                    CAAAAAACCA CAAGCAAAAC AGTTACAGAC CCGTGCAGAC TACCTCATCA
     CBD-1
                   CAAGAAACCC CAGGCAAAGC AGTACAGAC CCGTGCAGAC TACCTCATTA
CAAGAAACCC CAGGCTAAGC AGTTACAGAC CCGTGCAGAT TACCTCATTA
CAAGAAACCA CAGGCAAAGC AGTTGCAGAC CCGTGCAGAT TACCTCATTA
     CBD-1A
                                                                                                                                          92%
     CBD-W
GT CBD-W
     CHD-1 AACTACTTAG CAGAGATCTT GCAAAAAGAG AGGCTCAGAG ACTTTGTGGT GCG
CHD-W AATTACTGAA TAAAGACCTT GCAAGAAAGG AAGCACAGAG ACTTGCTGGT GCA
CHD-W AATTACTGAA TAAAGACCTT GCAAGAAAGG AAGCACAGAG ACTTGCTGGT GCA
CHD-W AATTACTGAA TAAAGACCTT GCAAGAAAGG AAGTGCAGAG ACTTACTGGT GCA
GT CHD-W
                                  ILPDDPDKKPQAKQLQTRADYLIKLLSRDIAKREAQRLCGA (SEQ ID NO: 6)
      CHD-1
M
                                  ILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEAQRLAGA (SEQ ID NO: 7)
      CHD-1A
                                  ILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEAQRLAGA (SEQ ID NO: 8)
C
      CHD-W
```

ILPDDPDKKPOAKOLOTRADYLIKLLNKDLARKEVQRLTGA (SEQ ID NO: 9)

Figure 5. (SEQ ID NO: 10)

1	CGGGCTGCG	G CACGAAGCG	Acceccecc	CACCCACCO	r ceeecceee
51	AAGGCCTGG	CCGCCGAGC	CCACCCACC	G CACGCAGGC	i cececege
101	TGGCCATCT	G TAGAGAATA	CAACUCACA	C AGGTATTTG	GCAAAAATCT
151	GGAGTACCA	G AAAGGGGATT	CHUCYCOUY	C GCATTACTT	GAAAACATAC
201	TTTCTTTTT	A ACTTCTTAA1	CIIGACCIA	ACCTTGTAA	CTGAGTGGAC
251	AAGTGTAAG	A ABCACCACMC	CLCTACAATC	AATGGGCACA	A GTGATGAAGA
301	CCTCACCTO	A AACAGCAGTO C AGGTTCTGGA	GAGAGTCAA	G CAGATCAGAT	r gatgattctg
351	GCAACTACCI	A CCCACROAGE	TCTGGTTCA	S GCTCTGGAAC	CAGTAGCGAT
401	ACCCACMCA:	A GCCAGTCAGO	TAGCAGTGA	TCTGAATCT(GTTCAGAGTC
451	TOUCASICA TOUCASCOUS	A TCCGAATCAC	AGTCTGACA	C ATCTAGAGAC	AAGAAACAAG
501	TICAAGCIA	A MCCICCGAAA	L GCTGACGGA1	^የ ርጥር እርጥጥጥጥረ	CARCOCOCACM
551	CCMMGCMIM	- TIGCIGIACA	. GAGATCACC	\ ርጥር ርጥር እአር ፣	ACCARCACA.
601	ACAGCAAAA	1 GCAGCATCAT	' CAGACAGTGC	: ጥጥሮል ሮ ልልሮልሮ	CACMCAMCOA
651	GINGIGNAG	1 TTCTGCCGAT	'GATTCGTCC	. СТСВВВСТВВ	CARCARANA
701	CWINWWRAIL	* AAGACIGGCA	. A A TOTO A COO	*	* MAMOA CO
_	TGGTTCTGA'	TCTGAATCGG	CGGAAGATGG	GGATAAAAGC	NCMMCMCs s.d.
751	WWG1GWW1.	- TGACTATGAG	CCAAAAAAACa	ስ እርጥሮ እ <u>አ</u> አአር	CCCMANAGOO
801	CCMAGCAGA	1 TTAAGCCAAA	. AAGTGGGAAA	A A C A C C A C A C	CACACAAAA
851	CUCCULUL I	GATTCATCAG	AGGAGGAGGA	CGACGAMGAM	CARCAMANA
901	NINNGNGNGC	ATCTCGTCGC	CAGGCAACAG	. ጥር እ እጥረጥጥ እር	MM2C222C22
951	GC I GWWGWWY	LUCAAGACAGA	TTCTGATGAT	' ጥጥር-ርጥር-ርእ እ <i>ር</i>	mmmcmccs.cs
1001	GGATGTCCCF	LAGACTGAAG	AAGATGAATT	' ጥርልልልሮጥልጥል	CACAACMMA
1051	TGGACAGTCC	AATTGGCCGA	AAAGGAGCCA		3300300300
1101	TATGCCGTTC	AGGCAGATGG	TGACCCAAAT	ርር ጥርርርጥጥጥር	AAAACTICAAA
1151	GOVGC L GGGS	GAAATACAGT	ATCTTATTAA	<u>እጥርናል እልርር</u> ድ	TGGTCACACA
1201	TCCATAACAC	TTGGGAAACT	GAAGAAACGC	TGAAGCAACA	A A A COOM A A A
1251	GGAATGAACA	AACTGGACAA	CTACAAGAAA	AACCATCACC	3030333300
1301	CIGGCIGAAA	AATGCTTCTC	CAGAAGATGT	ርርኔ እጥል ጥጥል ጥ	B B C M C C C B C C
1351	MGGAGCTTAC	AGATGATCTG	CACAAACAAT	ልጥሮልልልጥልር ጭ	CCARRCARMS
1401	ATTGCTCATT	'CAAATCAAAA	GTCAGCAGCT	GGTTATCCGG	ACMACMAMMC
1451	CAMATGGCAG	GGTCTGCCTT	ACTCAGAATG	ጥልርርጥርርርልል	CATCCTCCTC
1501	TCATTGCCAA	AAAGTTTCAG	GCACGCATTG	ልጥር እርጥ አጥጥጥ	TACCACAAAM
1551	CHATCCAAGA	CTACTCCCTT	TAAGGACTGC	AAGGTTCTAA	INCOCNGAMAT
1601	MAGATTTGTT	GCACTGAAGA	AGCAACCATC	ጥጥልሮልጥጥርርል	CC3 C3 DC3 3 3
1651	GTCTGGAGTT	AAGAGATTAT	CAGTTAAATG	CATTCALIGGE	CCMCCCCMCAAA
1701	TCATGGTGCA	AAGGAAATAG	ጥጥርጥልጥጥርጥጥ	GCAGATGAAA	TCCCTCAT
1751	TAAAACAATA	CAAACAATTT	СТТТТСТСАА	Curcumum Curcumum	
1801	AACTGTATGG	CCCTTTTCTT	CTGCGCGTGC	CACTTTCTAC	CATGAACATC
1851	TGGCAAAGAG	AGATTCAAAC		CAGATGAATG	CTTGACATCT
1901	CTTAGGAGAT	ATAACTAGTA		AAGGACTCAT	
1951	ATCCACAGAC	TAAACGATTA	AACTTAACA	TACTTCTGAC	
2001	ATTTTACTGA	AGGATAAGTC	ATTCCTTCCT	CCCCCCCAC	GACATATGAA
2051	AGGAGTTGAT	GAAGCTCATC	GTTTAAAAAA	GGTCTCAATT	
2101	GGACTTTAAT		TCCAACCATC	TGATGACTCT	
2151	CCACTGCAAA	ATTCCCTCAA	AGACCECEC	GACTTCTGAT	TACTGGAACC
2201	GCCAGAAAA	TTTTCCTCCT	CCC 3 3 C 3 D D D D	TCTTTGTTGC	ATTTCATCAT
2251	GAAGAGAGTA	TGGTTATGCA	PCMCMMCF CF	TGAAGAGGAG	CATGGCAAAG
2301	CTAAGAAGAG	TTAAAAAAGA	TOTOTICACA TOTOTICACA	AAGAGCTTGA	ACCATTTTTA
2351	ACAAATTCTG	ACCATCCAAA	TGTAGAAAAG	TCTTTACCTG	CTAAGGTTGA
2401	GGATTTTAAC	AGGATGGAAA	A A COCCERCA	GCAGAAGCAA	TATTACAAGT
2451	ACCTCAGGCT	AAGGAATTAT	MANGCCCTCA	GTAAAGGTTC	AAAAGGCAGT
2501	TTGCTACCTC	TTCTGAACAT	CACAMCAMA	CTTAAGAAGT	GTTGTAACCA
2551	ACCCCTTACA	ATTAAGCCAC	CAGATGATAA	TGAATTCTAT	AATAAACAGG
2601	AAGCTACTO	GCATTTGATA	CGTAGCAGCG	GGAAACTAAT	CCTTCTTGAC
2651	TCACAMCCMC	TTCGTCTGCG	AGAAUGTGGC	AACAGAGTTC	TGATTTTCTC
2701	Y CAMBACCAMA	AGGATGCTGG	ACATCCTAGC	AGAATATCTG	AAGTATCGCC
2751	AGITTCCCTT	CCAGAGACTT	GATGGATCAA	ТААААССССА.	እጥጥር እ <i>ር</i> ር እ እር
2801	CWARCACTER	ATCATTTCAA	TGCAGAAGGA	ጥሮ እር እርር አጥጥ	ФСФСФФФФФ
2851	ACTUTCTACA	AGAGCTGGAG	GATTAGGTAT '	ሞል እርጥጥርረርር አ	ጥርጥርርጥር እር እ
2901	CIGINGITAL	TTTTGATTCT (GACTGGAATC (CACACAAMCA	TOTO COOK
2901 2951	CHOCCOHONG	CICATAGAAT	TGGACAGAAG	ል እ እ ር እ ርርጥጥ አ	እጥእመመመእመረብ
4321	GCTAGTCACA	AAAGGATCAG	PAGAAGAAGA 1	FATTCTTGAA .	AGAGCCAAGA

3001 AGAAGATGGT GCTAGACCAT TTAGTAATTC AGAGAATGGA CACGACAGGA 3051 AAAACTGTTC TGCATACAGG TTCAACTCCA TCAAGCTCTA CACCTTTTAA 3101 TAAAGAAGAG TTATCAGCTA TTTTGAAGTT TGGTGCTGAG GAACTCTTTA AAGAACCTGA AGGAGAAGAA CAGGAGCCCC AGGAAATGGA TATAGATGAA 3151 3201 ATCTTGAAGA GAGCTGAAAC TCGGGAAAAT GAGCCAGGTC CATTGACTGT 3251 AGGGGATGAG TTGCTTTCAC AGTTCAAGGT GGCGAACTTT TCCAATATGG 3301 ATGAAGATGA TATTGAGTTG GAACCAGAAA GAAATTCAAG AAATTGGGAA GAAATCATCC CAGAATCCCA ACGGAGAAGG ATAGAGGAGG AGGAAAGACA 3351 3401 AAAAGAACTT GAAGAAATAT ACATGCTCCC GAGGATGAGA AACTGTGCAA AACAGATCAG CTTTAATGGG AGTGAAGGAA GACGCAGTAG GAGCAGAAGA 3451 3501 TATTCTGGAT CTGATAGTGA CTCCATCACA GAAAGAAAAC GGCCAAAAAA 3551 GCGTGGAAGA CCTCGAACCA TTCCTCGAGA AAATATTAAA GGATTTAGTG ATGCAGAGAT CAGGCGGTTT ATCAAGAGTT ACAAGAAATT TGGTGGCCCT 3601 3651 CTGGAAAGGT TAGATGCTGT AGCTAGAGAT GCTGAACTGG TTGATAAATC 3701 TGAGACAGAC CTTAGACGTT TGGGTGAACT TGTACATAAT GGATGCATTA AGGCTTTAAA GGACAATTCA TCTGGACAAG AAAGAGCAGG AGGTAGACTT 3751 GGGAAAGTTA AAGGCCCAAC GTTTCGAATC TCAGGAGTGC AGGTGAATGC AAAACTAGTC ATCTCTCACG AAGAAGAGCT GGCACCACTG CACAAATCCA 3801 3851 3901 TTCCTTCAGA TCCAGAAGAA AGGAAAAGAT ATGTCATCCC ATGCCACACC AAGGCTGCTC ACTTCGATAT AGATTGGGGT AAAGAAGATG ATTCCAATCT 3951 4001 GTTAGTAGGC ATCTATGAAT ATGGCTATGG CAGCTGGGAA ATGATAAAAA TGGATCCAGA TCTCAGCTTA ACACAGAAGA TTTTACCTGA TGATCCAGAC AAGAAACCCC AGGCAAAGCA GCTACAGACT CGTGCAGACT ACCTCATTAA ATTACTGAAT AAAGACCTTG CAAGAAAGGA AGCACAAAGG CTTGCTGGTG 4051 4101 4151 4201 CAGGCAATTC CAAGAGAAGG AAGACAAGAA ATAAGAAGAA TAAGATGAAG GCTTCAAAAA TAAAAGAAGA AATAAAGAGT GATTCTTCAC CACAACCCTC 4251 4301 AGAAAAATCT GATGAAGATG ATGAGGAGGA GGATAACAAG GTAAATGAAA 4351 TGAAATCTGA AAATAAAGAA AAATCTAAAA AAATTCCATT GCTGGATACT 4401 CCAGTTCATA TTACTGCAAC CAGTGAACCA GTTCCTATCT CAGAAGAATC 4451 TGAAGAACTC CATCAGAAGA CATTTAGTGT GTGCAAAGAA AGAATGAGGC CTGTCAAAGC AGCACTGAAA CAGCTGGATA GACCAGAGAA GGGCCTTTCT 4501 4551 GAAAGGGAGC AGCTGGAACA TACTAGGCAG TGTCTAATCA AAATTGGGGA TCACATTACA GAATGCCTGA AGGAGTACAC AAATCCCGAG CAAATAAAAC 4601 AGTGGAGGAA AAATTTGTGG ATTTTTGTGT CCAAGTTTAC AGAATTTGAT 4651 GCCAGAAAGC TGCACAAACT CTACAAACAT GCAATCAAAA AGCGCCAAGA 4701 4751 GTCTCAGCAA CACAATGACC AAAACATTAG CAGCAATGTG AATACACATG 4801 TAATCAGAAA TCCAGATGTG GAAAGACTGA AGGAGACTAC AAACCATGAT 4851 GATAGTAGCA GGGACAGTTA TTCTTCTGAT AGACATTTAT CACAATACCA 4901 TGATCATCAC AAAGACAGGC ATCAGGGAGA TGCTTACAAG AAAAGTGACT 4951 CCAGGAAAAG GCCATATTCA GCCTTCAGTA ATGGAAAAGA TCACAGAGAC TGGGATCACT ACAAACAGGA CAGCAGATAC TACAGTGATA GTAAACATAG 5001 5051 AAAGTTAGAT GACCACAGGA GCAGAGACCA CAGGTCAAAC CTGGAAGGAA 5101 ACTTAAAAGA CAGCCGGGGT CATTCAGATC ACCGCTCCCA TTCAGACCAC AGGATACACT CAGATCACCG TTCCACTTCA GAATACAGCC ATCATAAATC 5151 5201 TTCGAGAGAT TATAGATACC ACTCAGACTG GCAAATGGAC CACAGAGCTT 5251 CTGGTAGTGG CCCGAGGTCA CCACTAGATC AGAGGTCTCC TTATGGTTCA AGATCTCCCC TAGGACACAG ATCTCCATTT GAACACTCAT CAGATCACAA 5301 5351 AAGTACACCT GAACATACAT GGAGTAGCCG GAAGACATAA CAAAGACTGA 5401 CATTTTCTGG ACCTTCTTTT TAGCCATATA CAGTAAACTA ACACAGTAAT TGCCTTACAT GACTTGAAAG ATATGGACTG GATATTCTAT CAGTAGCAGT 5451 5501 ATTGTTACTT CTTTCCAGGA TGCAAGGTCT ATTATCCCAA CAGAAGAAAA 5551 ATATTTTTGT ATTTAAAGTT TATGCTGCAC TGTGCTGCAA ATGTTGTGGC ACTTTTTTT TAAGAAATGG AAGATGTTTA CTTTTACAGG GACCTCAACA 5601 5651 CTGCCCCTTT CAGACTGGAT CTTACTATAA AACTCTTCAT GTCAAAGTGG 5701 TTCTAGGCTG AACACAGATT AAATTATGTT TGTAAATGAA CACTTAAACA 5751 CTGACCTGTG CTTATGTTTC AGGAAAGAAT GGGGGATTTA TTTTGTTTTA 5801 TTTCTTGGTA GAGAACTCTC AAGGACTTTG TTCACTTTCC AAAGCTACTT 5851 GTTTACATTG TACACTGCGA CCACCTTGCC GCTTTTCATC ACAAGCTTGA 5901 ATATTTAAAT TCTGTACCTA CAGTTGTAAA ATAGCCAGGA TTTCTCCTGT 5951 TTGTGATCAG TTATAATGCC TTTTTATGAA ACAAACAAAC AAACAAAAA 6001 CAATTAAAAA AAAAAACACA ACAAAACCAA CAAATGGCTG TAAATTATTG 6051 TAAATTAATT AAATGAGCTT TTTTCCGTCA GGCTTTTTTT GGCTGTTCCT 6101 TTCCCCAACA ACTCAGGCCT TCTTTTCACA AAGTCAGTAT ACTTACATGT 6151 TTTAATAAAA TATCTCGATG GAATCAGAAT GTAAAAATGG GGAAGGGAAT 6201 ATTTTATTCC ATTTAGTGCT CCTTTTTTAT TGGATACTTT TACATACCTG 6251 TTTTTGGTTG TTTTATTTTA TTTTTTTTTT CTATTAAACT GTCAGTGTTG 6301 TGATTGTTGT AATGAACAGT GAGAATATCC CACTCTAAAC TGTGCCCTGG AAAGCTTTTC AGGTGCATTG GTTTAAAAGA AGGAAGTGTT CTATAGGTGA 6351

6451 6501	CCCTCTTTAA TTTTAGAAGA	CATGGGCAAT TTTGAATGAC	GCCAAGATTC AATGTCAAAT TTTATTAACA TATCTGACAA	GTGCTATGCA GAATTGTTAC	GCAGTTAATA AATGCACACT
	AAAAAACC				CIMMMCCAN

Figure 6.

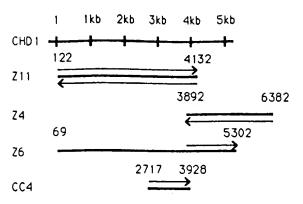


Figure 7.

CHD-1A CHD-W		D E I V S V K H L H K K I K T E (SEQ ID NO: GATGAGATTGTTTCAGTGAAACATCTACATAAAAAAAATAAAAACAGAAA (SEQ ID NO: GATGGGATTGTTTCAGTGAAACATCCACATAAAAAAATAAAAGCAGAAA (SEQ ID NO: D G I V S V K H P H K K I K A E (SEQ ID NO:	11) 12) 13) 14)
CHD-1A CHD-W		K E N E E K P E P D I G I K K E A AAAGAAAATGAAGAAAAGCOTGAGCCAGATATTGGTATAAAGAAGGAAGCT AAAGAAAATGAAGAAAAAGATGAGCCAGAGATTGGTATAAAGAAGGAAG	
CHD-1A CHD-W		GEKRETKEKENK	0 n 137
CHD-1A	151	EKKEKEDKKELKEKDNK GAGAAAAAAGAGATAAGAAAAAGATAATAAA	3907 D
CED-1A	201	E K R E N K V K E S T Q K E K E V GAAAAGAGAAAACAAAGTAAAAGAATCCACAGAAAGAAGAAGAAGAAGTG	,) (0 ·
CHD-1A	251	K E E K AAGGAAGAGAAG	

Figure 8. (SEQ ID NO: 15)

ATTTATCGGC	TAGTCACAAA	AGGATCAGTA	GAAGAAGATA	TTCTTGAAAG	AGCCAAGAAA	AAGATGGTGT	TAGATCATTT
10	20	30	40	50	60	70	80
AGTGATTCAG	AGAATGGACA	CCACAGGGAA	AACTGTACTA	CATACAGGCT	CTACTCCTTC	AAGCTCAACA	CCTTTTAATA
90	100	110	120	130	140	150	160
AGGAAGAGTT	ATCAGCAATT	TTGAAGTTTG	GTGCTGAGGA	ACTITITAAA	GAACCTGAAN	NNGAAGAAGA	GGAGCCTCAG
170	180	190	200	210	220	230	240
GAGATGGATA	TAGATGAAAT	CCTGAAGAGG	NCTGAAACTC	GAGAAAATGA	GTCAGGCCCA	TTAACTGTAG	GAGATGAGTT
250	260	270	280	290	300	310	320
ACTITICACAG	TTCAAGGTAG	CTAACTTTTC	CANTATGGAT	GAAGATGACA	TTGAATTGGA	ACCAGAACAA	
330	340	350	360	370	380	390	400
ACTGGGAAGA	AATCATTCCA	GAACTTCAGT	GCCGACGAAT	AGAGGGGNNG	GAAAGACAAA		
410	420	430	440	450	460	470	480
ATGCTTCCAA	GAATGAGAAA	CTGTGCAAAA	CAGATCAGCT	TTAATGGAAA	TGAAGGGAGA		
490	500	510	520	530	540	550	560
TTCTGGATCT	GATAGTGATT	CCATCTCAGA	AAGAAAACGA	CCAAAAAAAAC	GTGGACGACC		
570	580	590	600	610	620	630	640
ACATTAAAGG	ATTTAGTGAT	GCAGAGATTA	GACGATTTAT	CAAGAGTTAC	AAGAAATTIG	GTGGCCCAGT	TGAAAGGTTA
650	660	670	680	690	700	710	720
GATGCTATAG	CTAGAGATGC	TGAGCTAGTT	GATAAATCTG	AAACAGACCT			
730	740	750	760	770	780	790	800
ATGCATTAAG	GCTTTAAATG	ATAATGACTT		AGAACAGGTG			
810	820	830	840	850		870	880
TCCGAATAGC	AGGAGTGCAG	GTGAATGCAA	AGCTAGTCAT	TTCTCACGAA	GAAGAGTTGG		TAAATCGATT
890	900	910	920	930	940	950	960
CCTTCAGATC	CAGAAGAAAG	GAAAAGATAT	GTCATCCCAT	ACCACACCAA			
970	980	990	1000	1010	1020	1030	1040
AGAAGATGAT	TCCAATCTGT	TAATAGGCAT		GGTTATGGCA			GATCCTGATC
1050	1060		1080	1090	1100	1110	1120
TCAGTTTGAC	ACAGAAGATT			GAAACCCCAG			TGCAGATTAC
1130	1140		1160	1170	1180	1190	1200
CTCATTAAAT	TACTGAATAA	AGACCTTGCA	AGAAAGGAAG	CACAGAGACT			
1210	1220	1230	1240	1250	1260	1270	1280
AACAAGAAGT	AAGAAGAATA	AAGCAACAAA	GGCTGC				
1290	1300	1310					

Figure 9.

	- "			
C CHD-1A M CHD-1	\$ DARRYLGKNIGHL*RIASQTHYFENIRSTRKGILDLHLVT*VDFLFNFLILTMXCHSDEE (FALCPPVTQREPQETRECRKFIFEILIFEEICIHTHLLLIGDPCFINFLIFTMXCHSDEE (SEQ SEQ	ID NO ID NO	: 16) : 17)
C CHD-1A M CHD-1	SVRNSSGESSRSDDDSAGSASGSGSGSSSGSSSDGSSSQSGSSDSESGSQSESESD SVRNGSGESSQSGDD-CGSASGSGSGSSSGSSSDGSSSQSGSDSGSQSESESD			
C CED-1A M CED-1	TSREKKQVQAKPPKADGSEFWKSSPSILAVQRSAVLKKQQQQQKAASSDSGSEEDSS TSRENK-VQAKPPKVDGAEFWKSSPSILAVQRSAMLRKQPQQAQQQRPASSNSGSEEDSS			
C CHD-1A M CHD-1	SSEDSADDSSSETKKKKEKDEDWOMSGSGSVSGTGSDSESAEDGDKSSCEESESDYEPKN SSEDS-DDSSSGAKKKENDEDWOMSGSGSPSQLGSDSESEEERDKSSCDGTESDYEPKN			
C CHD-1A M CHD-1	KVKSRKPPSRIKPKSGKKSTGQKKRQLDSSBEEEDDDEDYDKRGSRRQATVNVSYKBAEB KVRSRKPQNRSKSKNGKKILGQKKRQIDSSBDEDDBDYDNDKRSSRRQATVNVSYKBDEB			
C CHD-1A M CHD-1	TKTDSDDLLEVCGEDVPQTEEDEFETIEKFMDSRIGRKGATGASTTIYAVEADGDPNAGF MKTDSDDLLEVCGEDVPQPEDEEFETIERVMDCRVGRKGATGATTTIYAVEADGDPNAGF			
C CHD-1A M CHD-1	RTXEFGEIQYLIKWKGHSHIHNIWETEETLKOONVRGHKKLDNYKKKDQETKRWLKNAS EKSKELGEIQYLIKWKGHSHIHNIWETEETLKOONVRGHNKLDNYKKKDQETKRWLKNAS ERNKEPGDIQYLIKWKGHSHIHNIWETEETLKOONVRGHKKLDNYKKKDQETKRWLKNAS			
HUMAN C CHD-1A M CHD-1	PEDVEYYNCOGELTDDLHKQYQIVERTNXSFQSKSAAGYP (SEQ ID NO: 18) PEDVEYYNCOGELTDDLHKQYQIVERIIAHSNQKSAAGYPDYYCKWGGLPYSECSWEDGA PEDVEYYNCOGELTDDLHKQYQIVERIIAHSNQKSAAGLPDYYCKWGGLPYSECSWEDGA			
C CHD-1A M CHD-1	Liakkfoarideyfsrnoskttpykdckvlkorprfvalkkopsyiggheslelrdygln Liskkfotcideyfsrnoskttpykdckvlkorprfvalkkopsyiggheslelrdygln			
C CHD-1A M CHD-1	GLNWLAHSWCKGNSCILADEMGLGKTIQTISFLNYLFHEHQLYGPFLLRVPLSTLTSWQR GLNWLAHSWCKGNSCILADEMGLGKTIQTISFLNYLFHEHQLYGPFLLVVPLSTLTSWQR			
C CHD-1A M CHD-1	EIQTWAPQMNAVVYLGDITSRNMIRTHEWMHPQTKRLKFNILLTTYEILLKDKSFLGGLN EIQTWASQMNAVVYLGDINSRNMIRTHEWMHPQTKRLKFNILLTTYEILLKDKAFLGGLN			
C CHD-1A M CHD-1	WAFIGVDEAHRLKNDDSLLYRTLIDFKSNHRLLITGTPLQNSLKELWSLLHFIMPEKFSS WAFIGVDEAHRLKNDDSLLYKTLIDFKSNHRLLITGTPLQNSLKELWSLLHFIMPEKFSS			
C CHD-1A M CHD-1	WEDFEEEHGKGREYGYASLHKELEPFLLRRVKKDVEKSLPAKVEQILRMEMSALQKQYYK WEDFEEEHGKGREYGYASLHKELEPFLLRRVKKDVEKSLPAKVEQILRMEMSALQKQYYK			
C CHD-1A M CHD-1	WILTRNYKALSKGSKGSTSGFLNIMÆLKKCCNECYLIKPPDDNEFYNKQZALQHLIRSS WILTRNYKALSKGSKGSTSGFLNIMÆLKKCCNECYLIKPPDNNEFYNKQZALQHLIRSS			
C CBD-1A M CBD-1	GKLIILDKLLIRLRERGNRVLIFSQMVRMLDILAEYLKYRQFPFQRLDGSIKGELRKQAL GKLIILDKLLIRLRERGNRVLIFSQMVRMLDILAEYLKYRQFPFQRLDGSIKGELRKQAL			

	1	
C CHD-1A M CHD-1	Defnazgsedfcfllstraggiginlasadtvvifdsdwnpondioaoaraeriookkov Defnazgsedfcfllstraggiginlasadtvvifdsdwnpondioaoaraeriookkov	
C CHD-W C CHD-1A M CHD-1	-IYRLVTKGSVEEDILERAKKKHVLDHLVIQRMDTTGKTVLHTGSTPSSSTPFNKEELSA (NIYRLVTKGSVEEDILERAKKKHVLDHLVIQRMDTTGKTVLHTGSAPSSSTPFNKEELSA NIYRLVTKGSVEEDILERAKKKHVLDHLVIQRMDTTGKTVLHTGSTPSSSTPFNKEELSA	SEQ ID NO: 19)
C CHD-W C CHD-1A M CHD-1	ILKPGAEELFKEPEXEEEEPQEMDIDEILKRXETRENESGPLTVGDELLSQFKVANFSNM ILKFGAEELFKEPEGEEQEPQEMDIDEILKRAETHENEPGPLSVGDELLSQFKVANFSNM ILKFGAEELFKEPEGEEQEPQEMDIDEILKRAETRENEPGPLTVGDELLSQFKVANFSNM	
C CHD-W C CHD-1A M CHD-1	DEDDIELEPEONLRNWEEIIPEVOMRRIEGXEROKELEEIYMLPRMRNCAKDISFNGNEG DEDDIELEPERNSKWHEEIIPEEORRRLEEEEROKELEEIYMLPRMRNCAKDISFNGSEG DEDDIELEPERNSRWHEEIIPESORRRIEEEEROKELEEIYMLPRMRNCAKDISFNGSEG	
C CHD-W C CHD-1A M CHD-1	RCSRSRRYSGSDSISERKRPKKRGRPRTIPRENIKGFSDABIRRFIKSYKKFGGPVER RRSRSRRYSGSDSDSISERKRPKKRGRPRTIPRENIKGFSDABIRRFIKSYKKFGGPLER RRSRSRRYSGSDSDSITERKRPKKRGRPRTIPRENIKGFSDABIRRFIKSYKKFGGPLER	
C CHD-W C CHD-1A M CHD-1	LDAIARDABLVDKSBTDLRRLGELVENGCIKALNDNDFGQGRTGGRFGKVKGPTFRIAGV LDAIARDABLVDKSBTDLRRLGELVENGCVKALKDSSSGTBRAGGRLGKVKGPTFRISGV LDAVARDABLVDKSBTDLRRLGBLVENGCIKALKDNSSGQBRAGGRLGKVKGPTFRISGV	
C CHD-W C CHD-1A M CHD-1	QVNAKLVISHEEBLAPLHKSIPSDPEERKRYVIPYHTKAAHFDIDMGKBDDSNILLIGIYE QVNAKLVIAHEDELIPLHKSIPSDPEERKQYTIPCHTKAAHFDIDMGKEDDSNILLIGIYE QVNAKLVISHEEBLAPLHKSIPSDPEERKRYVIPCHTKAAHFDIDMGKEDDSNILLVGIYE	
C CHD-N C CHD-1A M CHD-1	YGYGSWEMIKMDPDLSLTQKILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEAQRLAG YGYGSWEMIKMDPDLSLTEKILPDDPDKKPQAKQLQTRADYLIKLLSRDLAKREAQRLGG YGYGSWEMIKMDPDLSLTQKILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEAQRLAG	
C CHD-W C CHD-1A M CHD-1	Achskrrktrsknikatkaa Acgskrrktrakkskamksikvkeeiksdssplpseksdedddklindskpeskdrs Agnskrrktrnkknik-mkaskikeeiksdsspopseksdeddeeednivnehksenkeks	
C CHD-1A M CHD-1	KKSVVSDAPVHITASGEPVPIAEESEELDOKTFSICKERHRPVKAALKOLDRPEKGLSER KKIPILLDTPVHITATSEPVPISEESEELHOKTFSVCKERHRPVKAALKOLDRPEKGLSER	
C CHD-1A M CHD-1	EQLEHTRQCLIKIGDHITECLKEYSNPEQIKQWRKNLWIFVSKFTEFDARKLHKLYKHAI EQLEHTRQCLIKIGDHITECLKEYTNPEQIKQWRKNLWIFVSKFTEFDARKLHKLYKHAI	
C CHD-1A M CHD-1	KKRDESQQNSDQN-SNVATTHVIRNDDMERLKENTNHDDSSRDSYSSDRHLSQYHDHHKD KKRDESQQHNDQNISSNVNTHVIRNDDVERLKETTNHDDSSRDSYSSDRHLSQYHDHHKD	
C CHD-1A M CHD-1	REQGDSYKKSDSRKRPYSSFSNGKDEREWDEYRQDSRYYSDREKERKLDDERSREHRPSL REQGDAYKKSDSRKRPYSAFSNGKDERDWDEYKQDSRYYSDS-KERKLDDERSRDERSNL	
C CHD-1A M CHD-1	BOGLKD-RCHSDHRSHSDHRNESDHRSTPSTHIINPPRDYRYLSDMQLDHRAASSGPRSP BGNLKDSRGHSDHRSHSDHRIHSDHRSTSEYSHHKSSRDYRYHSDMQMDHRASGSGPRSP	
C CHD-1A M CHD-1	LDQRSPYGSRSPFEHSAEHRSTPEHTWSSRKTXQKLMSLSSGTLFXP LDQRSPYGSRSPLGHRSPFEHSSDHKSTPEHTWSSRKTXQRLTFSGPSFXPYTVNXHSNC	
C CHD-1A	LTXLERYGLDILSVAVLLLLSRHQGLLSQQKKNIFVFKVYAALCCKCCGTFFLRNGRCLL LQGPQBCPFQTGSYYKTLBVKVVLGXTQIKLCLXHNTXTLTCAYVSGKNGGFILFYFLVB NSQGLGSLSKATCLBGTLRPPCRFSSQAXIFKFCTYSCKIARISPVCDQLXCLFHKQTNK QKTIKKNTTKPTNGCKLLXINXMSFFPSGFFWLFLSPTTQAFFSQSQYTYHFXNISMB SECKNGEGNILFBLVLLFYWILLBTCFWLFYFIFFFYXTVSVVIVVNNSENIPLXTVPHK AFQVBHFKRRKCSIGEBFKTQISQDSLXIHLFSLFNHGNNVKCAHQQLIFXXIXMTLLTB LLQCTLIVBRXLLSDKLNXLKPKXT	

5 5	KPPKADGSEFWKSSPSILAVORSAVLKKOOOOOKAASSDSGSEEDSSSSE	104 (SEQ ID NO: 20)
2654	.:: .:. .: .::: .:: :: : MAAKDISTEVLQN.PELYGLRRSHRAAAHQQNYFNDSDDEDDE	2695 (SEQ ID NO: 21)
105	DSADDSSSETKKKKHKDEDWQMSGSGSVSGTGSDSESAEDGDKSSCEESE	154
2696	:	2738
155	SDYEPKNKVKSRKPPSRIKPKSGKKSTGOKKROLDSSEEEEDDDEDYDKR	204
2739	. : 	2780
205	GSRROATVNVSYKEAEETKTDSDDLLEVCGEDVPQTEEDEFE	246
2781	SNRQNKTVNYNIDYSDDDLLESEDDYGSEEALSEENVHEASANPQPEDFH	2830
247	TIEKFMDSRIGRKGATGASTTIYAVEADGDPNAGFEKSKELGEIQYLIKW	296
2831	. : .:: : . .: ::::: :::: GIDIVINHRLKTSLEEGKVLEKTVPDLNNCKENYEFLIKW	2870
297	KGWSHIENTWETEETLKOONVKGMNKLDNYKKKDOETKRWLKNASPE	343
	.: : .: : ::: . ::: :: TDESELENTWETYESIGQVRGLKRLDNYCKQFIIEDQQVRLDPYVTAE	
	DVEYYNCOOELTDDLHKOYQIVERIIA. HSNQKSAAGYPDYYCKWOGLP	
2919	DIEIMDMERERRLDEFEEFEVPERIIDSQRASLEDGTSQLQYLVKWRRLN	2968
	YSECSWEDGALIAKKFQARIDEYFSRNQSKTTPFKDCKVLKQRPRFVALK	
	YDEATWENATDIVKLAPEQVKHFQNRENSKILPQYSSNYTSQRPRFEKLS	
442	KOPSYIGGHESLELRDYOLNGLNWLAHSWCKGNSCILADEMGLGKTIQTI	491
	.:	
492	SFLNYLFHEHQLYGPFLLRVPLSTLTSWQREIQTWAPQMNAVVYLGDITS	541
	. :.: : .: :: : .::. :: : . AFISWLIFARRONGPHIIVVPLSTMPAWLDTFEKWAPDLNCICYMGNQKS	
	RNMIRTHEWMEPOTKRLKFNILLTTYEILLKDKSFLGGLNWAFIGV	
	RDTIREYEFYTNPRAKGKKTMKFNVLLTTYEYILKDRAELGSIKWQFMAV	
	DEARRIKNDDSLLYRTLIDFKSNHRLLITGTPLQNSLKELWSLLHFIMPE	
	DEAHRLKNAESSLYESLNSFKVANRMLITGTPLQNNIKELAALVNFLMPG	
	KFSSWEDFE.EEHGKGREYGYASLHKELEPFLLRRVKKDVEKSLPAKVEQ	
	RFTIDQEIDFENQDEEQEEYIHDLHRRIQPFILRRLKKDVEKSLPSKTER	3265
	ILRMEMSALOKOYYKWILTRNYKALSKGSKGSTSGFLNIMMELKKCCNEC	
	ILRVELSDVQTEYYKNILTKNYSALTAGAKGGHFSLLNIMNELKKASNHP	
737	YLIKPPDDNEFYNKQEALQBLIRSSGKLILLDKLLIRLRERGN :.:::. . . :: . . :. :. :. :. :.	779
221.6	· VÍ PONAFERUT OKFODOKMTRENULRGÍ Í MSSÖKMULÍ DOLLTŘÍ KKDÓB	3365

, = .
noc 829
- TEROALDHENAEGS
OFFFORLDGSIKGEME : : : : : : : : : : : : : : : : : :
780 RVLIFSQMVRMLDILAEYLKYRQFPFQRLDGSIKGELRKQALDHFNAEGS 829 180 RVLIFSQMVRMLDILAEYLKYRQFPFQRLDGSIKGELRKQALDHFNAEGS 829 180 RVLIFSQMVRMLDILAEYLKYRQFPFQRLDGSIKGELRKQALDHFNAEGS 845 180 RVLIFSQMVRMLDILGDYLSIKGINFQRLDGTVPSAQRRISIDHFNSPDS 3415
390 RVLIFSOMVROUDING SIKGINFORLDGTVI
700
TOPCE DESCRIPTION OF THE PROPERTY OF THE PROPE
830 EDFCFLLSTRAGGLGINLASADI
NDFVFLLST
880 QVNIYRLVTKGSVEEDILERRING
880 QVNIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
TUMVYRLY ON THE DEGLE UST TO THE DEGLE U
880 QVN
930 SSTPFNKEED STORMFTATD. NORKED STORMEET PESOR TO STORM
NACELSAILAFORDIELEPERNSAINS :: 11: 11: 3594
3514 KADIDWDDIIPEDDA
930 SSTPFNKEELIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
980 . SFNGSE
3558 PDLGESBUGGESBUGGESBUGGETAANSDSDU 30
980 PGPLTVGDELLSOFKVANFSNADDD
1027 KRIDELYVKEOLEMMING.
1027 RRIEEEERQKELEE!YMDF.U.
1061 ··GRRS. IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
_amskable
1027 RRIEEEROKELII : 1104 :::: 1104 3595 KKLQDEEQKRKDEEYVKEQLEMMNRRDNALKKIAND 3695 KKLQDEEQKRKDEEYVKEQLEMMNRRDNALKKIAND 3691 1061GRRSRSRRYSGSDSDSITERKRPKKRGRPRTIPR.ENIKGFSD 1604 1061GRRSRSRRYSGSDSDSITERKRPKKRGRPRTIPR.ENIKGFSD 1604 1061GRRSRSRRYSGSDSDSITERKRPKKRGRPRTIPR.ENIKGFSD 1604 1061GRRSRSRRYSGSDSDSITERKRPKKRGRPRTIPR.ENIKGFSDAE 1104 3695 KKLQDEEQKRKDEEYVKEQLEMMNRRDNALKKIAND 1061GRRSRSRRYSGSDSDSITERKRPKKRGRPRTIPR.ENIKGFSDAE 1104 1061GRRSRSRRYSGSDSDSITERKRPKEILEKLEKLEKATAYRAK 3741 1062GRRSRSRRRARANDMDSIGESEVRALYKAILKFGNLKEILEKLEKHATAYRAK 3741
3595 NO. GRRSRSRRYSGSDSDSTTENDED : : : : : : : : : : : : : : : : : :
3692 GTLFVIII 1146 VHNGCIKALKD. NSSGQERAGGRLGKV : : : : : : : : 1240 1146 VHNGCIKALKD. NSSGQERAGGRLGKV : : : : : : : : : :
STANGULTU - ON TARRENAN - ON T. T. VG. 1
TITE TO THE TAKE NOPK DNP TREE 3841
3742 LIKSUD
TAPLIBATION OF THE CHAPTER STATE OF THE CHAPTER STA
1146 VHNGCINI
3742 LKSGEIKAENOPKONPLTRLSLAGUS 3742 LKSGEIKAENOPKONPLTRLSLAGUS 1194 ELAPLHKSIPSD. PEERKRYVIPCHTKAA. HFDIDWGKEDDSNLIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
TUCYGORDINI II I I I I I I I I I I I I I I I I
1241 HILL THE TROUBPLIGITOR TEACH TO THE PARTIES AND THE PARTI
TVGYUDII - TVIIIIND I - DMGPON
PDKKPOAKOLUTTOLINI 1352
1241 EYGYGSWEMIKMDPDLSLTOKIII :: 1242 EYGYGSWEMIKMDPDLSLTOKIII :: 1243 EYGYGSWEMIKMDPDLSLTOKII :: 1244 EYGYGSWEMIKMDPDLSLTOKII :: 1245 EYGYGSWEMIKMDPDLSLTOKII :: 1246
CTMGSSRA.
1306 KRRKTRNKKNKMKASKIKEEIRSUSSISSISSISSISSISSISSISSISSISSISSISSISS
1306 KRRKTANTO
TROPREPARED TO THE TRANSPORT OF THE TRAN
3942 . STATE OF THE STATE OF TH
1353 KSENKEASIA OSSNPSSOSADA
COMPRINSKVSRDNUTAL AUGUSTA SPEK 4086
1306 KRRKTRNKKNAMAN 1402 3942 KRORKPANESKSMTPEITSSEPANGPPSKRMKALFAU 3942 KRORKPANESKSMTPEITSSEPANGPPSKRMKALFAU 3942 KRORKPANESKSMTPEITSSEPANGPPSKRMKALFAU 3942 KRORKPANESKSMTPEITSSEPANGPPSKRMKALFAU 1353 KSENKEKSKKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14037 1353 KSENKEKSKKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14037 1353 KSENKEKSKKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14037 1353 KSENKEKSKKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14037 1353 KSENKEKSKKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14027 1350 KSENKEKSKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14027 1350 KSENKEKSKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14027 1350 KSENKEKSKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14027 1350 KSENKEKSKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 14027 1350 KSENKEKSKURPR 1
1353 KSENKEKSKKIPLLDTPVHITATOLIKI SAHEKEYDSMDEEDCROTTOLIKI SAHEKEYDSMDEEDCROTTOLIKI SAHEKEYDSMDEEDCROTTOLIKI SAHEKEYDSMDEEDCROTTOLIKI SAHEKEYDSMDEEDCROTTOLIKI SAHEKEYDSMDEEDCROTTOLIKI SAHEKEYTNPEQIKQ 1452 3992 SPTPPLKSKVSRDNGTROSSNPSSGSAHEKEYTNPEQIKQ 1452 3992 SPTPPLKSKVSRDNGTROSSNPSSGSAHEKEYTNPEQIKQ 1452 1403 VKAALKQLDRPEKGLSEREQLEHTRQCLIKIGDHITECLKEYTNPEQIKQ 4086 1403 VKAALKQLDRPEKGLSEREQLEHTRQCLIKIGDHITESQK 4086 1403 VKAALKQLDRPEKGLSEREQLEHTRQCLIKIGDHITESQK 4086 1403 VKAALKQLDRPEKGLSEREQLEHTRQCLIKIGHITESQK 4086
TOTAL RELEASED TO THE PROPERTY OF THE PROPERTY
4038 IKIDAR TEFDARKLIKALIKALIKALIKALIKALIKALIKALIKALIKALIK
1403 VKAALKOLUKT 1:
: : SYSANFWPADVKSTA
4087 YRKHUNU

Figure 11.

MCHD YCHD	ATTEAD	GDPNAGFEKSKELGE.IQYLIKWKGWSBIBNTWETEET GDPNAGFERNKEPGD.IQYLIKWKGWSBIBNTWETEET EKTVPDLNNCKEN.YEFLIKWTDESBLBNTWETYES	LKQQNVRGNKK	CTDNAKK (ZEO	ID NO:	22) 23) 24)
HEP1	EDEEE	YAVEKIIDRRVRKGK.VEYYLKWKGYPETENTWEPENN YVVEKVLDRRVVKGKQVEYLLKWKGFSEEHNTWEPEKN YVVEKVLDRRVVKGK.VEYLLKWKGFSDEDNTWEPEEN FVVEKVLDRRVVNGK.VEYLKWKGFTDADNTWEPEEN	LDCPELISEF LDCPELIEDF	(SEQ ID NO: (SEQ ID NO:	25) 26) 27) 28)	
DPC MMOD3	ע.זמעם	YAAEKIIQKRVKKGV. VEYRVKWKGWNQRYNTWEPENN FAAECILSKRLRKGK. LEYLVKWRGWSSKHNSWEPEEN	ILDRRLIDIY ILDPRLLLAP	(SEQ ID NO:	29) 30)	

Figure 14.

MOUSE CHICKEN SPIX CHICKEN SPIX HYACINTH	CHD1 CHD-1A CHD-1A CHD-W CED-W CHD-W								c c 	C C		A-A A A		(SEQ I (SEQ I (SEQ I (SEQ I	D NO: D NO: D NO: D NO:		
P1 P3				TCT						TC	(SEQ		0: 3° 0: 3°	• •			
MOUSE	CHD1	AGG	AAA	CGG	CCG	AAG	AAA	CGT	GGG	ÇGA	CCC	CGC	ACT				
CHICKEN	CHD-1A	A		-=-	A	A	G		A	A	T	A	C				
SPIX	CHD-1A										A						
CHICKEN	CHD-W	A		A	A	A			A		A	A					
SPIX	CHD-W	A		A	A	-GA			A		A	A					
HYACINTH	CHD-W	A				^											
MOUSE	CHD1	ልጥሮ	ССТ	CGG	GAG	AAT	ATT	AAA	GGA	TTT	AGT	GAT	GCG	GAG			
	CHD-1A	T		A	A								A				
SPIX	CHD-1A	T		A	A		A										
	CHD-W	T	C	T	A	C							A				
SPIX	CHD-W			T													
P2														CT (S	EQ ID	NO:	39)
HYACINTE	CHD-W										C		A	G			
BYACINTH	CHD-W	ATT	AGG	CGG	T												